

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062718\
 Data File : BG035458.D
 Acq On : 27 Jun 2018 23:25
 Operator : JU/SJ
 Sample : J3694-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PZ-4

Quant Time: Jun 28 01:04:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

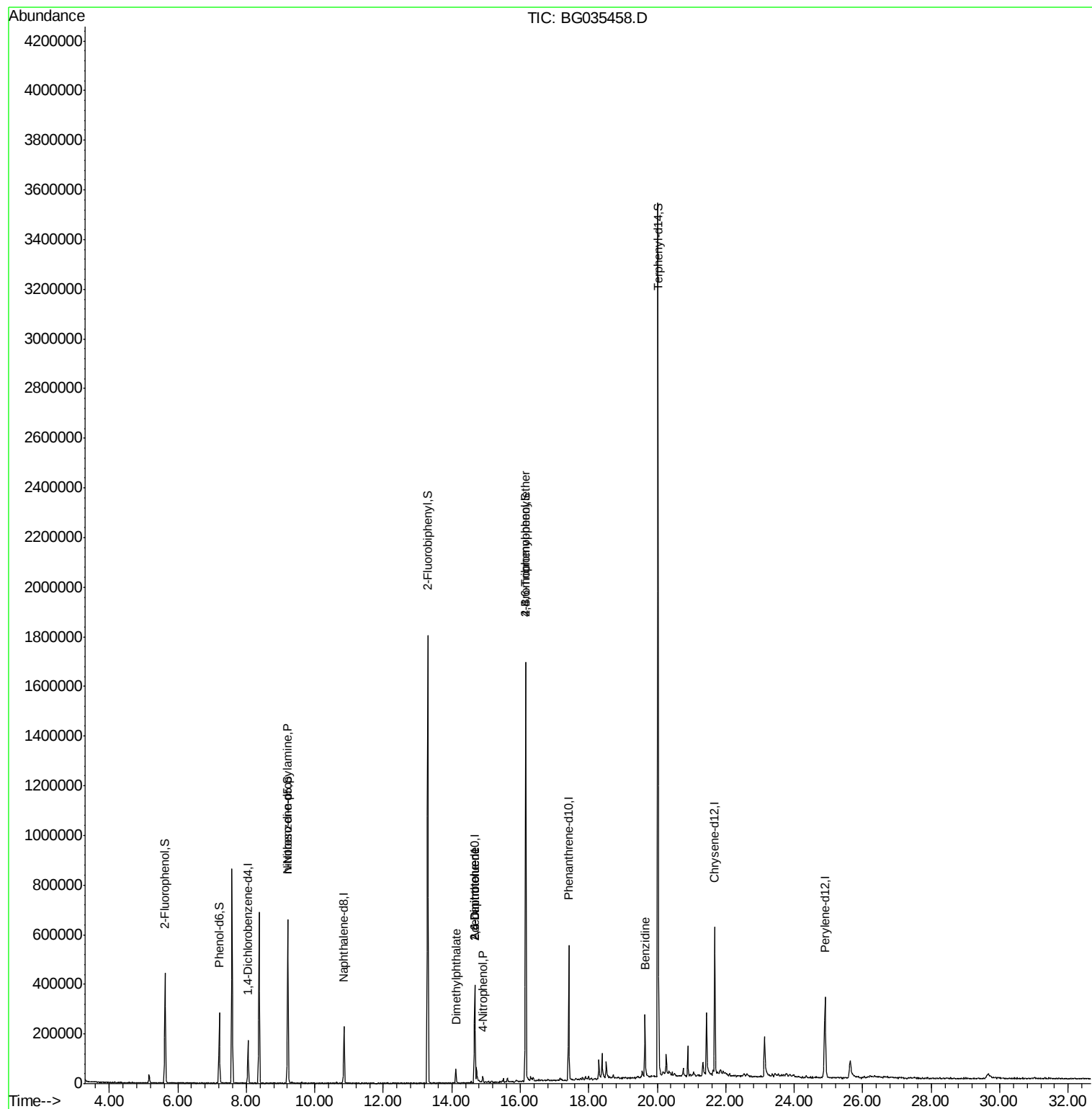
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	49644	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	185835	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	135395	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	333996	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	365086	20.00	ng	-0.04
86) Perylene-d12	24.90	264	364259	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	202368	68.79	ng	-0.01
7) Phenol-d6	7.21	99	183182	42.19	ng	-0.02
23) Nitrobenzene-d5	9.21	82	447786	114.54	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	313965	181.14	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	961062	92.28	ng	-0.03
78) Terphenyl-d14	20.02	244	1677130	96.23	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	61733	16.736	ng	# 70
49) Dimethylphthalate	14.12	163	38114	3.228	ng	# 96
50) 2,6-Dinitrotoluene	14.67	165	17666	8.202	ng	# 21
55) 4-Nitrophenol	14.90	139	5840	3.274	ng	# 4
56) 2,4-Dinitrotoluene	14.67	165	17666	6.174	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	24446	6.078	ng	# 1
76) Benzidine	19.64	184	166059	12.226	ng	97

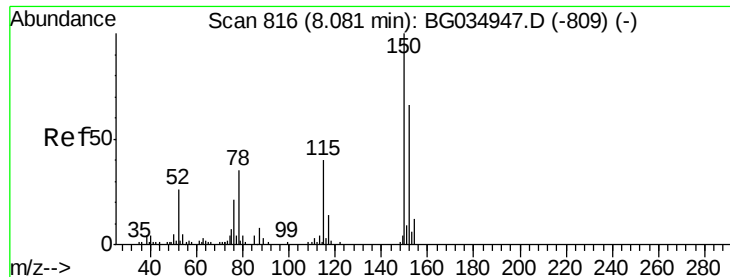
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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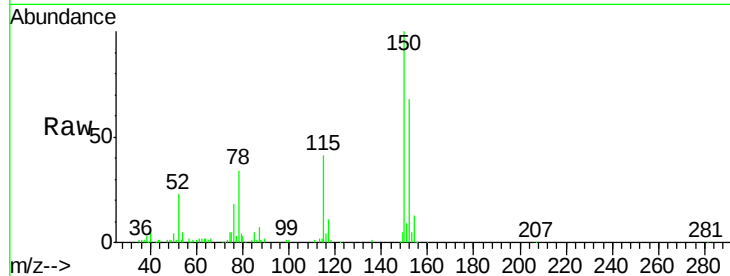


#1

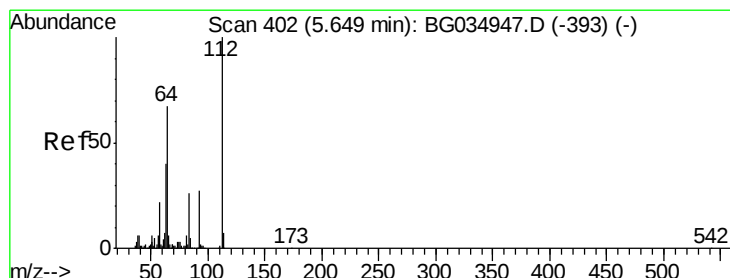
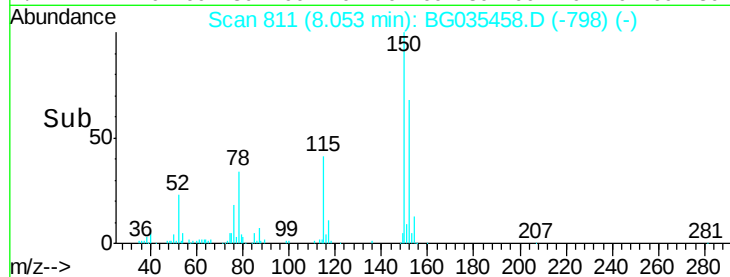
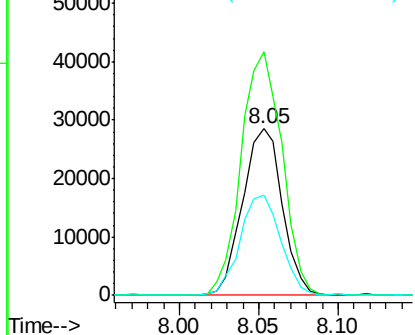
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tgt Ion:152 Resp: 49644
Ion Ratio Lower Upper
152 100
150 146.1 126.6 189.8
115 60.4 53.0 79.4



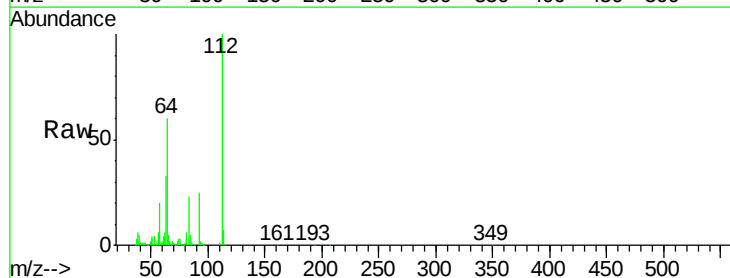
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



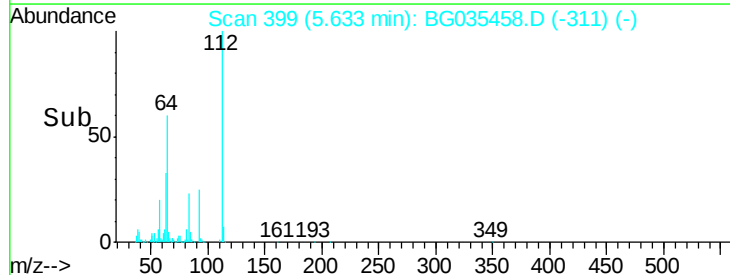
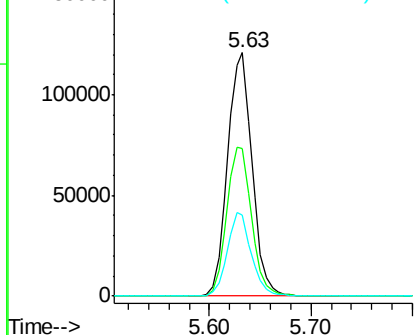
#5

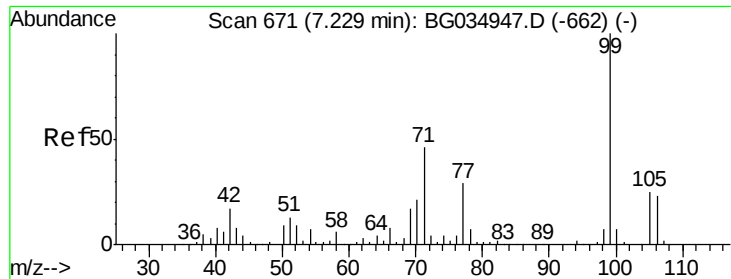
2-Fluorophenol
Concen: 68.793 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Tgt Ion:112 Resp: 202368
Ion Ratio Lower Upper
112 100
64 60.4 56.3 84.5
63 33.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.191 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.02 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

Instrument :

BNA_G

ClientSampled :

PZ-4

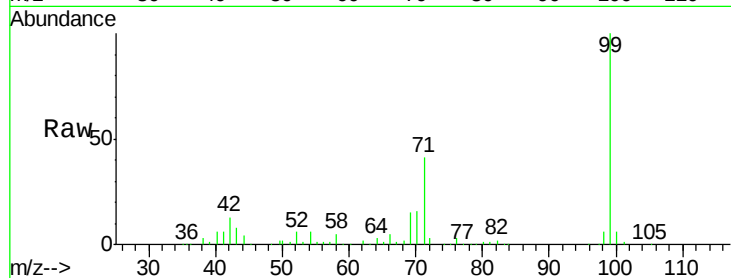
Tgt Ion: 99 Resp: 183182

Ion Ratio Lower Upper

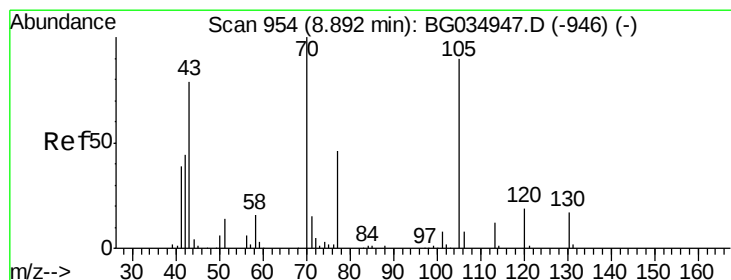
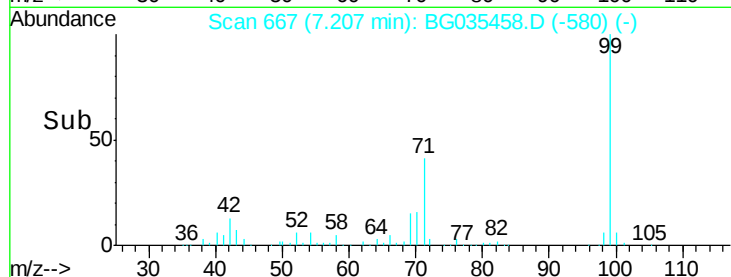
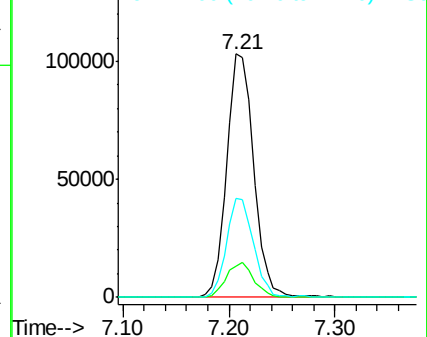
99 100

42 13.1 14.1 21.1#

71 40.6 26.1 39.1#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.736 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

Tgt Ion: 70 Resp: 61733

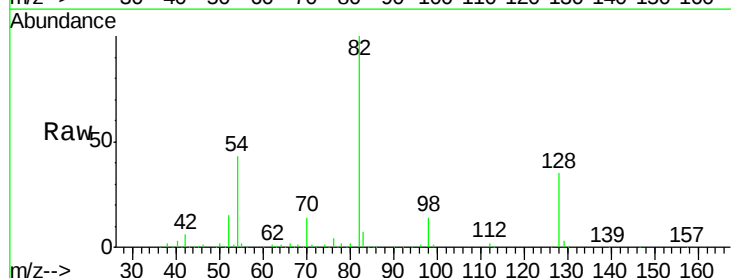
Ion Ratio Lower Upper

70 100

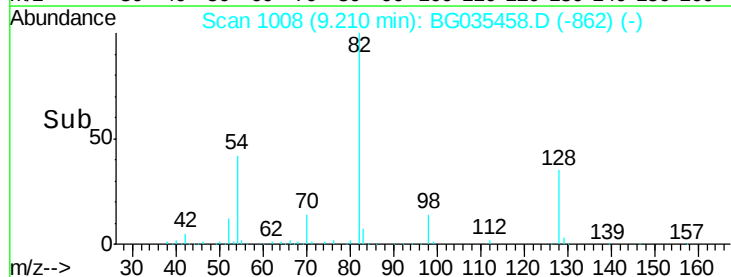
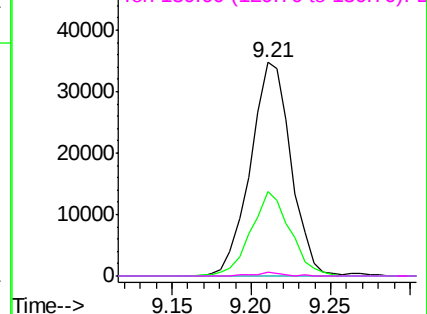
42 39.4 49.1 73.7#

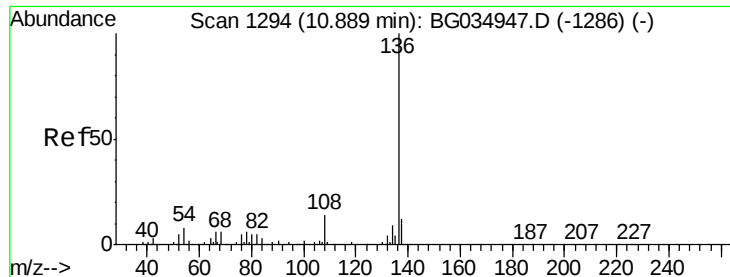
101 0.0 8.5 12.7#

130 1.7 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

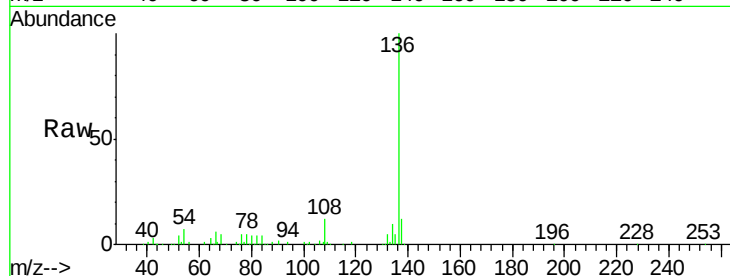




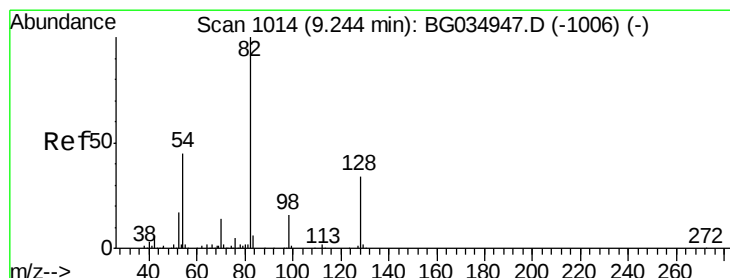
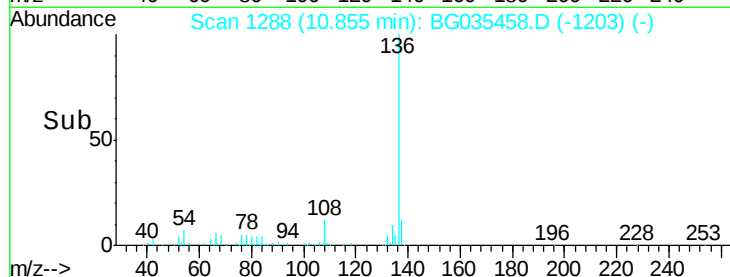
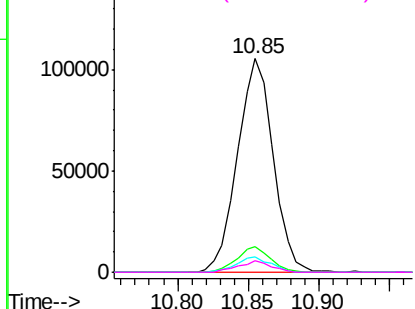
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tgt Ion:	136	Resp:	185835
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	7.3	10.3	15.5#
68	5.3	4.5	6.7

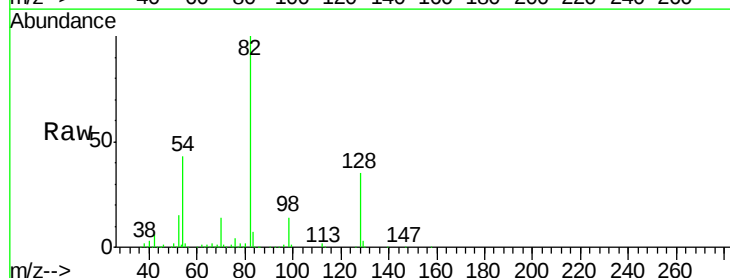


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

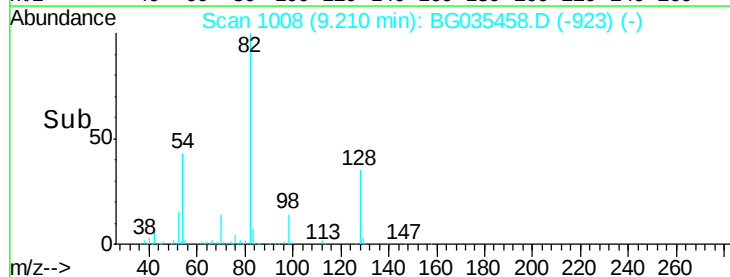
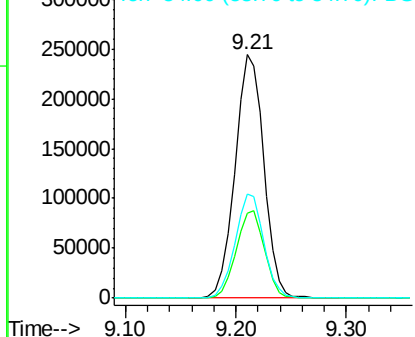


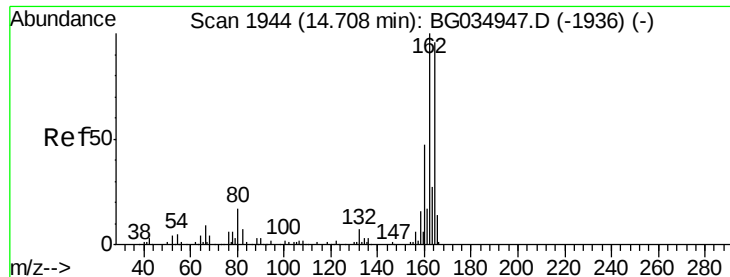
#23
Nitrobenzene-d5
Concen: 114.538 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Tgt Ion:	82	Resp:	447786
Ion	Ratio	Lower	Upper
82	100		
128	35.0	29.7	44.5
54	42.7	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

Instrument :

BNA_G

ClientSampleId :

PZ-4

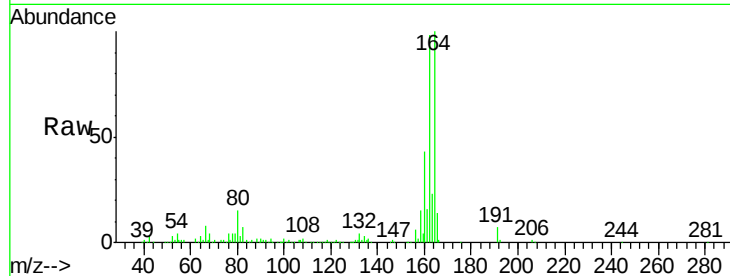
Tgt Ion:164 Resp: 135395

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

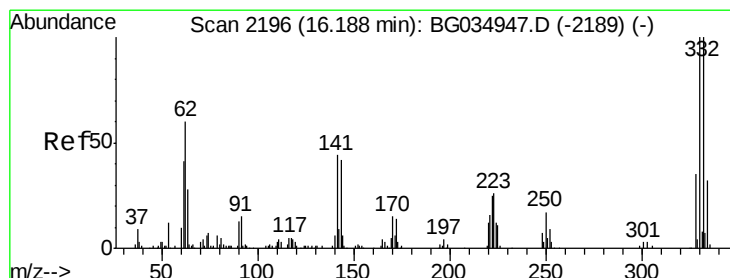
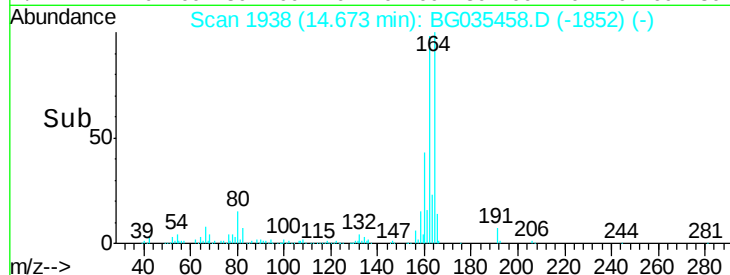
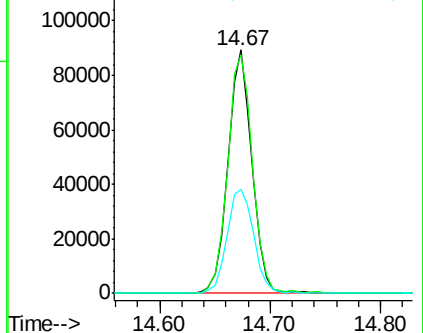
160 42.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 181.145 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

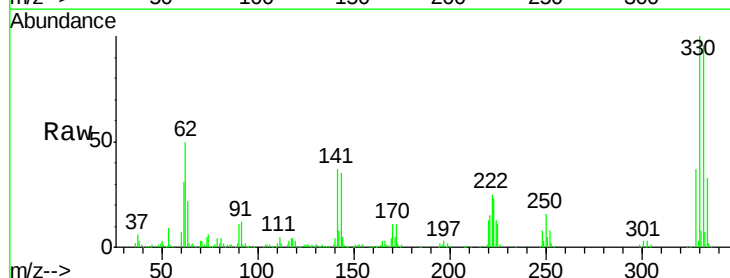
Tgt Ion:330 Resp: 313965

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

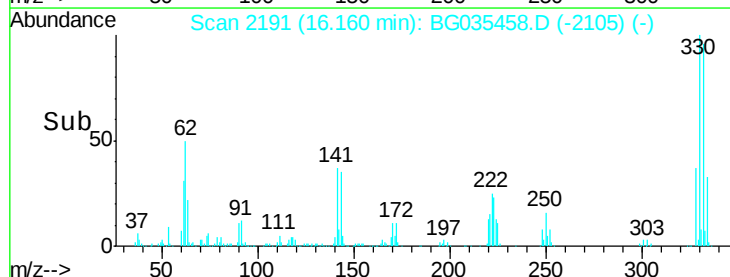
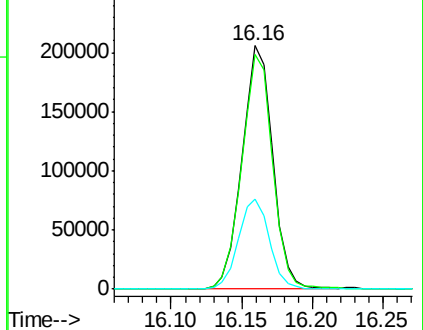
141 37.4 25.2 37.8

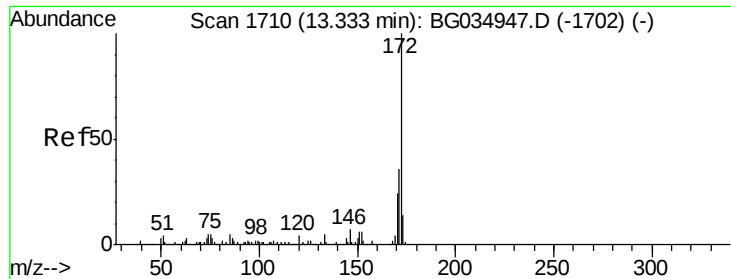


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

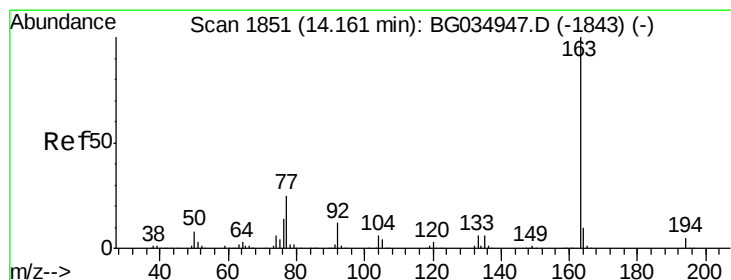
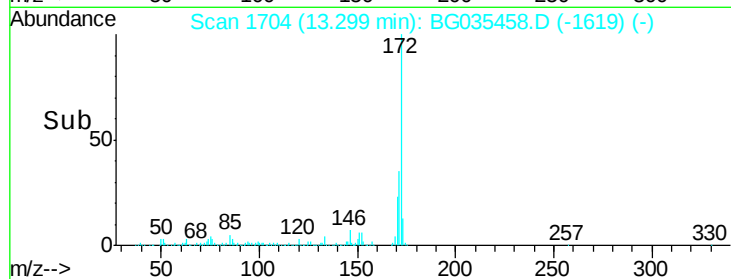
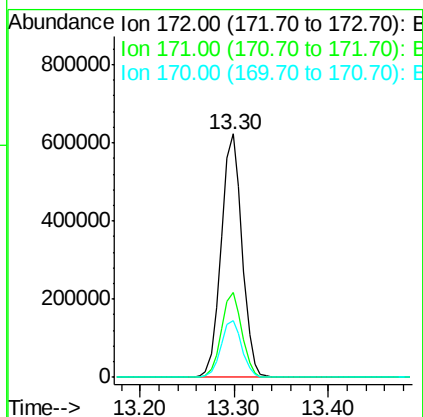
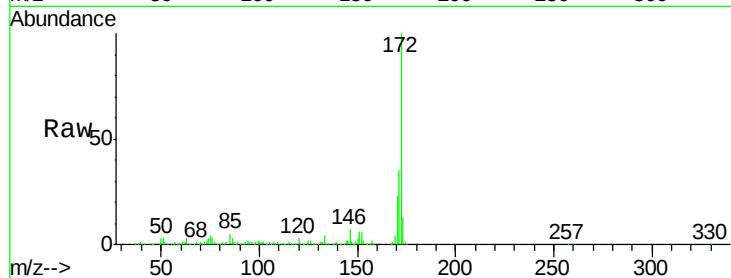




#44
2-Fluorobiphenyl
Concen: 92.276 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

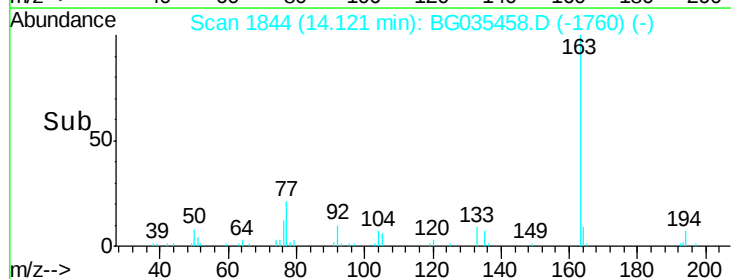
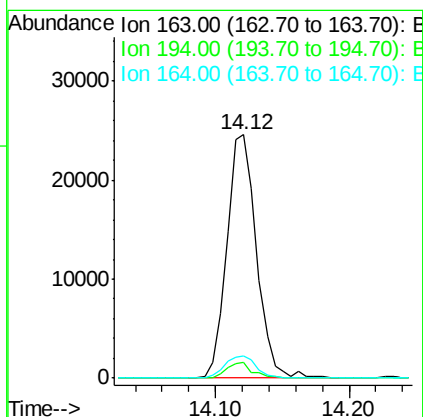
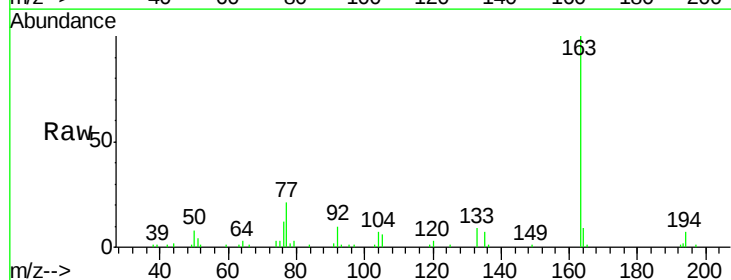
Instrument :
BNA_G
ClientSampleId :
PZ-4

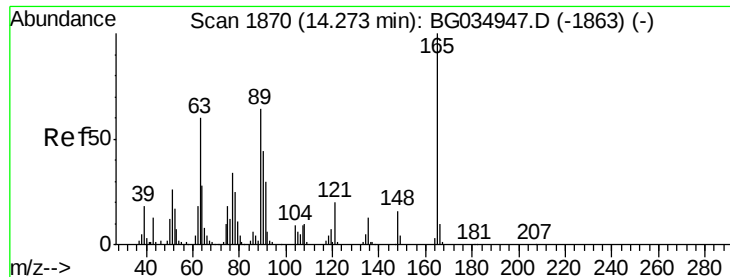
Tgt Ion:172 Resp: 961062
Ion Ratio Lower Upper
172 100
171 34.7 30.0 45.0
170 23.4 19.5 29.3



#49
Dimethylphthalate
Concen: 3.228 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.04 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Tgt Ion:163 Resp: 38114
Ion Ratio Lower Upper
163 100
194 6.6 3.4 5.2#
164 9.1 8.2 12.4





#50

2,6-Dinitrotoluene

Concen: 8.202 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.41 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

Instrument :

BNA_G

ClientSampleId :

PZ-4

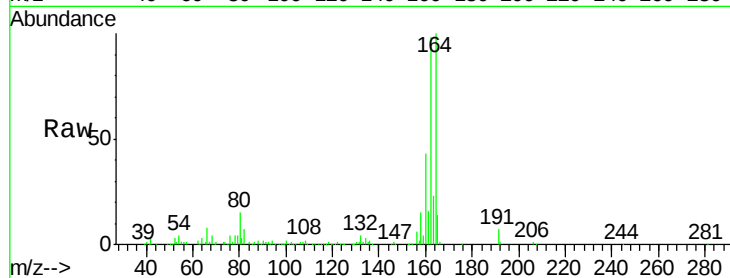
Tgt Ion:165 Resp: 17666

Ion Ratio Lower Upper

165 100

63 3.6 52.7 79.1#

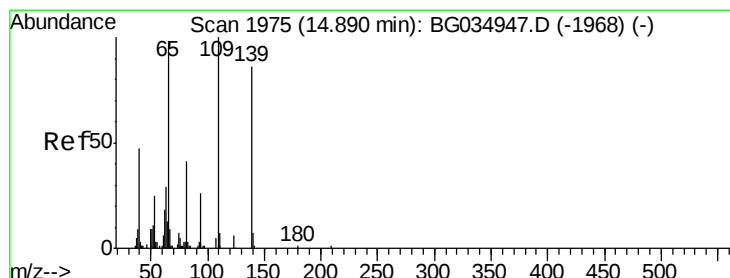
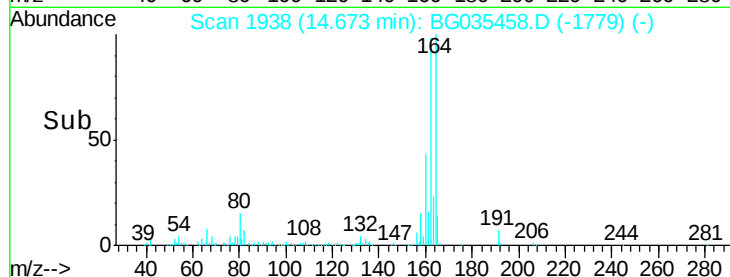
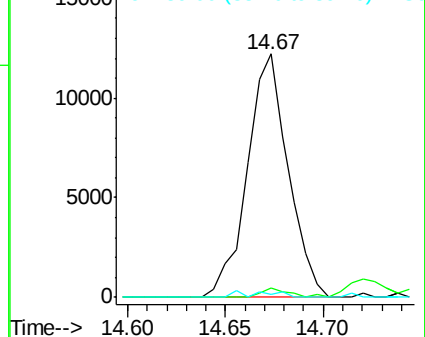
89 1.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55

4-Nitrophenol

Concen: 3.274 ng

RT: 14.90 min Scan# 1977

Delta R.T. 0.02 min

Lab File: BG035458.D

Acq: 27 Jun 2018 23:25

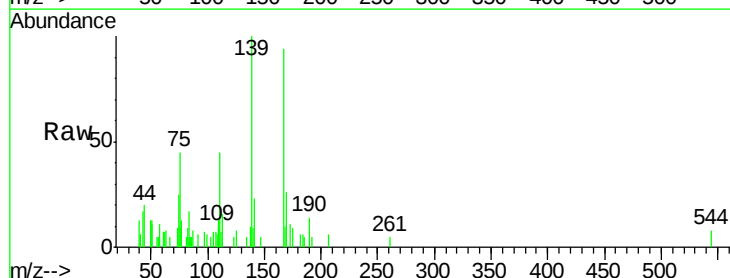
Tgt Ion:139 Resp: 5840

Ion Ratio Lower Upper

139 100

109 10.3 62.2 102.2#

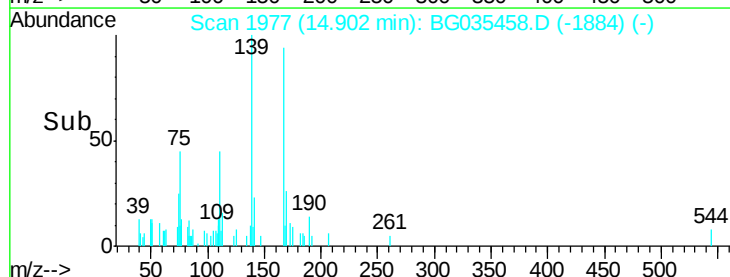
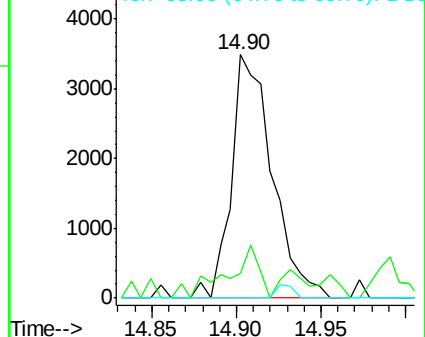
65 0.0 97.2 137.2#

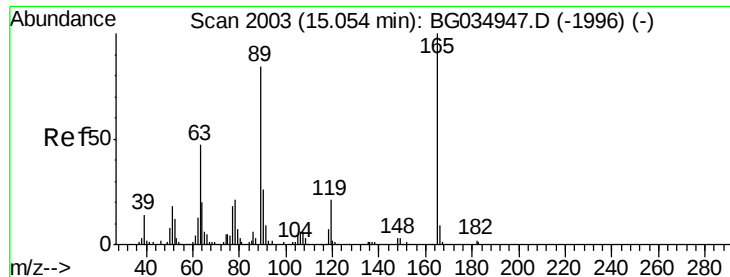


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

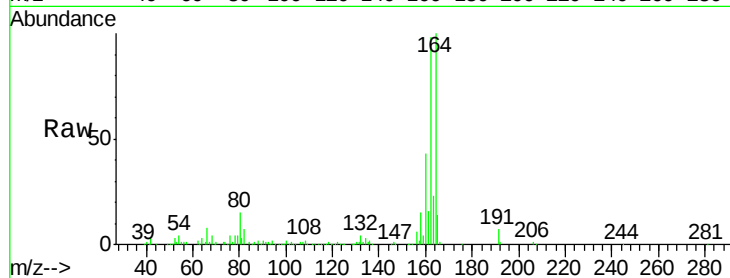




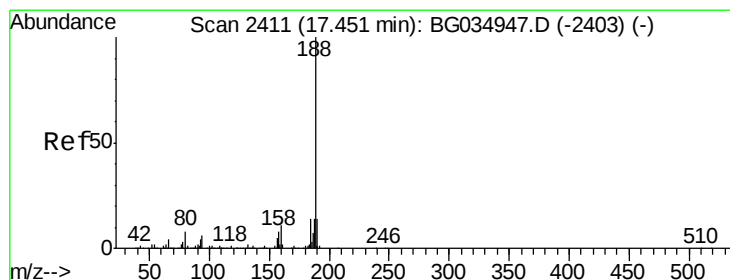
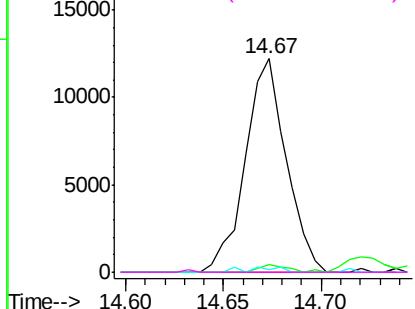
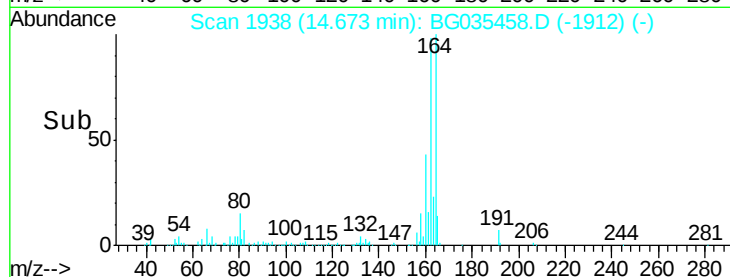
#56
 2,4-Dinitrotoluene
 Concen: 6.174 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035458.D
 Acq: 27 Jun 2018 23:25

Instrument :
 BNA_G
 ClientSampleId :
 PZ-4

Tgt Ion:165 Resp: 17666
 Ion Ratio Lower Upper
 165 100
 63 3.6 42.0 63.0#
 89 1.3 66.9 100.3#
 182 0.0 2.6 3.8#

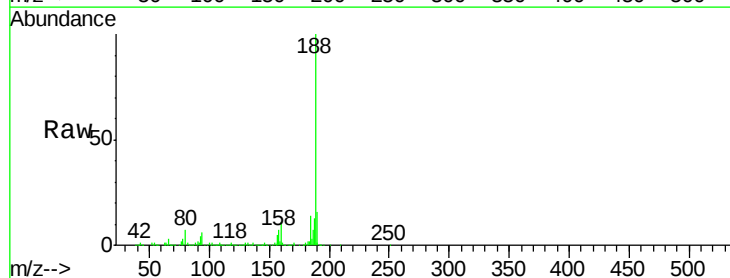


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

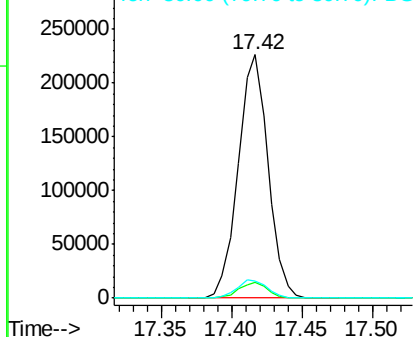
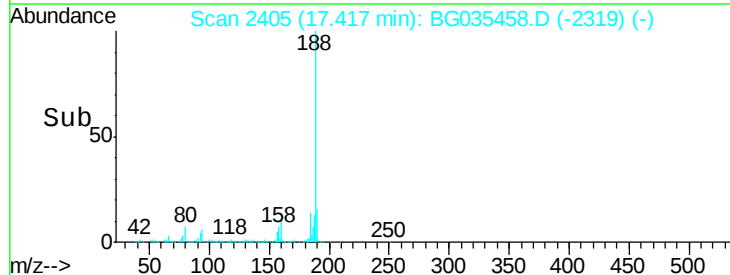


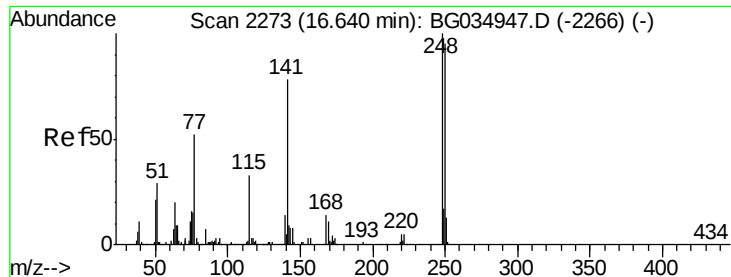
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035458.D
 Acq: 27 Jun 2018 23:25

Tgt Ion:188 Resp: 333996
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 7.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

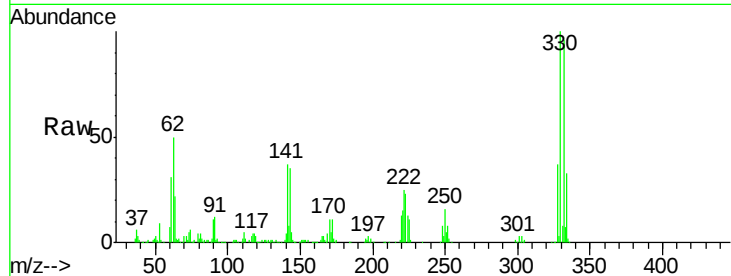




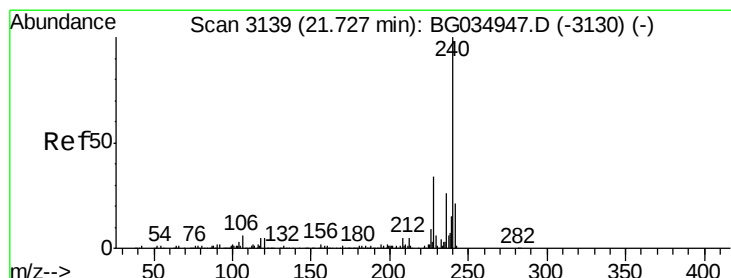
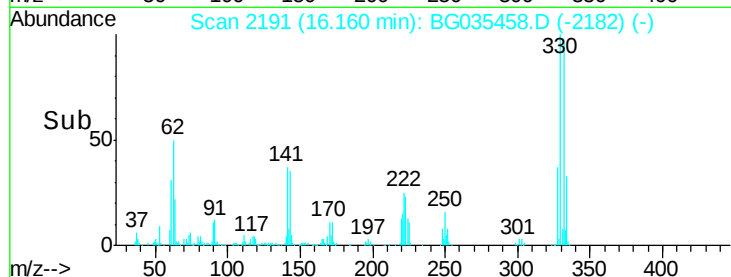
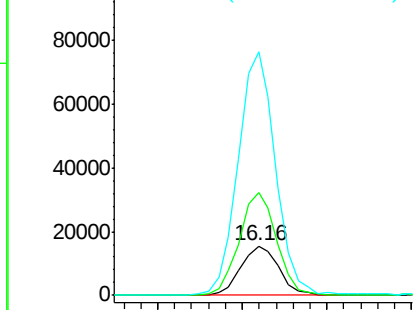
#66
4-Bromophenyl-phenylether
Concen: 6.078 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Instrument :
BNA_G
ClientSampled :
PZ-4

Tgt Ion:248 Resp: 24446
Ion Ratio Lower Upper
248 100
250 207.0 77.1 115.7#
141 489.9 50.8 76.2#

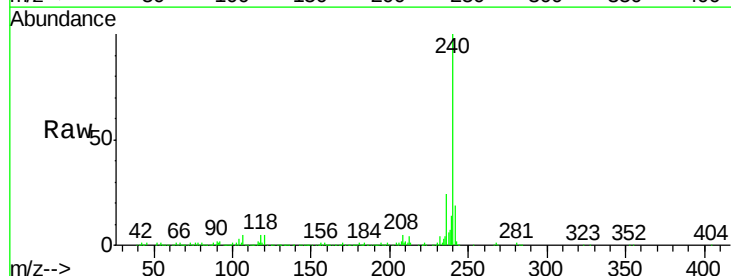


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

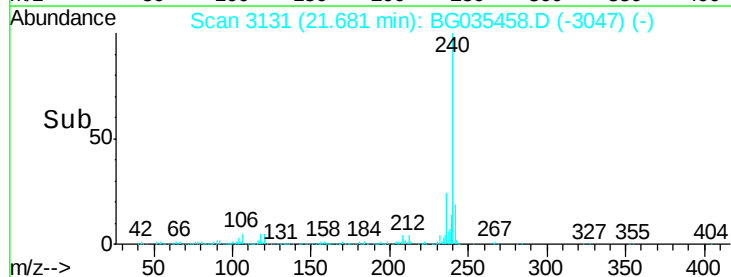
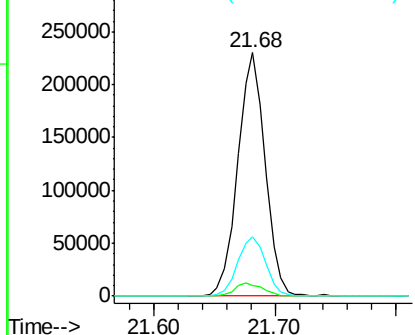


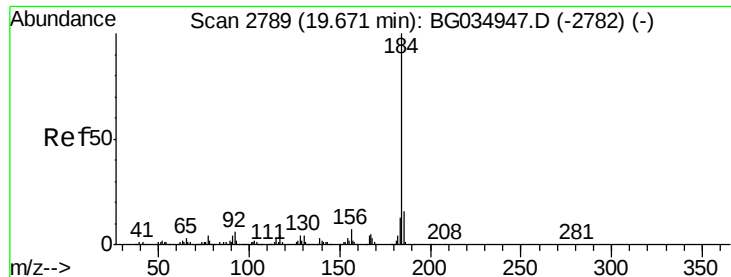
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Tgt Ion:240 Resp: 365086
Ion Ratio Lower Upper
240 100
120 4.5 6.8 10.2#
236 24.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

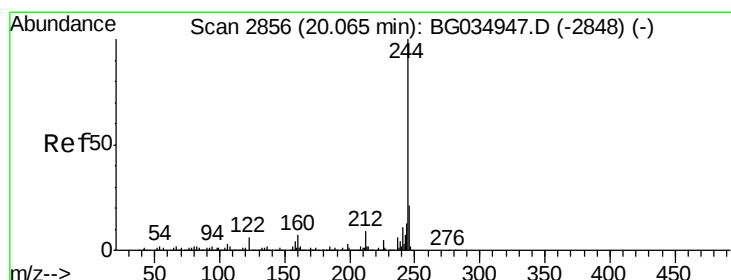
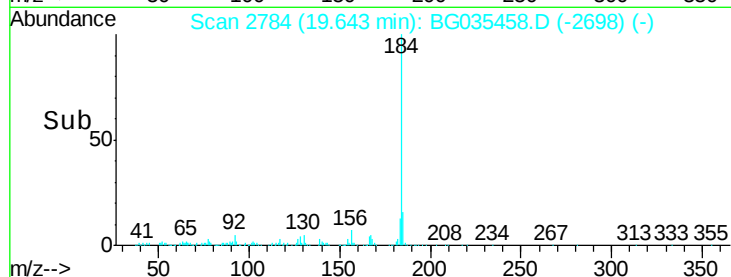
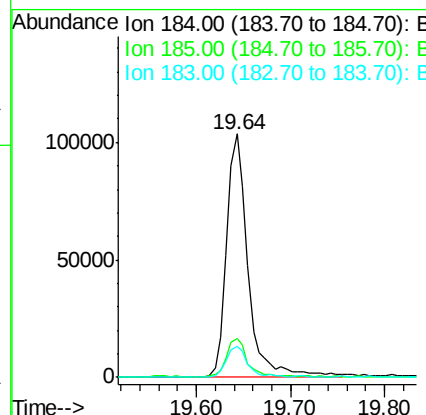
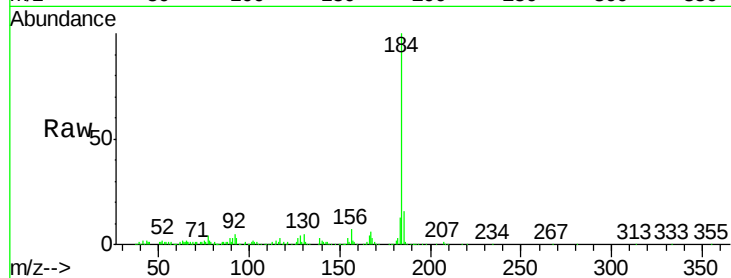




#76
Benzidine
Concen: 12.226 ng
RT: 19.64 min Scan# 2784
Delta R.T. -0.02 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

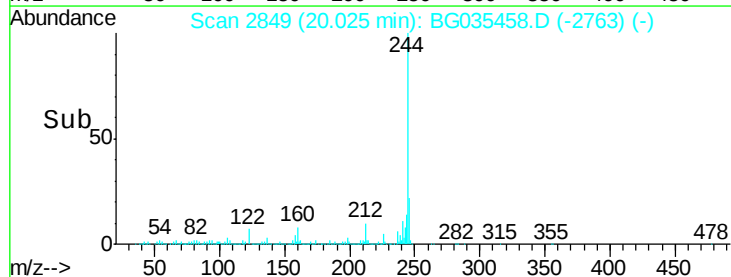
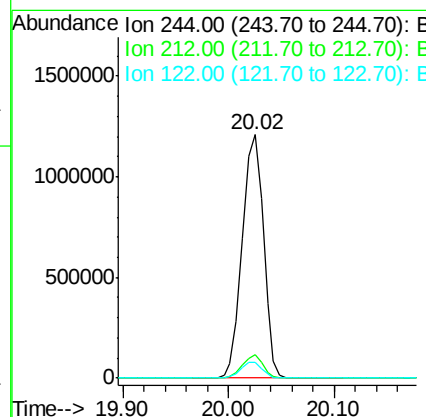
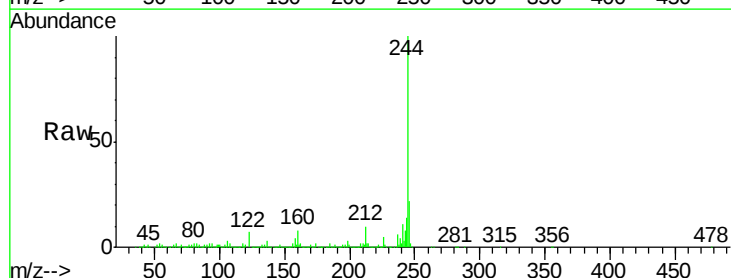
Instrument :
BNA_G
ClientSampleId :
PZ-4

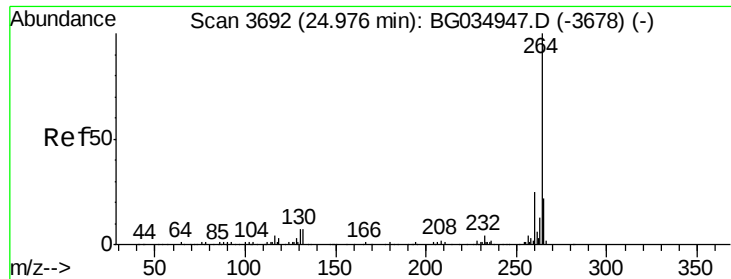
Tgt Ion:184 Resp: 166059
Ion Ratio Lower Upper
184 100
185 15.9 11.1 16.7
183 12.6 10.6 16.0



#78
Terphenyl-d14
Concen: 96.225 ng
RT: 20.02 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Tgt Ion:244 Resp: 1677130
Ion Ratio Lower Upper
244 100
212 9.7 5.8 8.8#
122 6.6 7.0 10.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035458.D
Acq: 27 Jun 2018 23:25

Instrument :
BNA_G
ClientSampleId :
PZ-4

Tgt Ion: 264 Resp: 364259

Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.2	17.7	26.5

